

AMENDMENTS TO THE CLAIMS

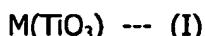
This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (canceled).

2. (previously presented): A sol comprising dispersed perovskite titanium-containing composite oxide particle having a composition represented by general formula (I), wherein the specific surface area is about 10 to about 200 m²/g, the specific surface area diameter D₁ of primary particles defined by formula (II) is about 10 to about 100 nm, and a D₂/D₁ ratio of the average particle size D₂ of secondary particles to D₁ is about 1 to about 10:

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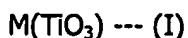


wherein M is at least one of Ca, Sr, Ba, Pb, or Mg and

$$D_1 = 6/\rho S \text{ --- (II)}$$

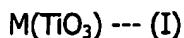
wherein ρ is the density of the particles, and S is the specific surface area of the particles.

3. (previously presented): A process for producing a sol in which a perovskite titanium-containing composite oxide particle represented by general formula (I) is dispersed, comprising the step of allowing a titanium oxide particle comprising a brookite crystalline form to react with a metal salt comprising at least one of Ca, Sr, Ba, Pb, or Mg in a liquid phase:



wherein M is at least one of Ca, Sr, Ba, Pb, or Mg.

4. (previously presented): A process for producing a sol in which a perovskite titanium-containing composite oxide particle represented by general formula (I) is dispersed, comprising the step of allowing a titanium oxide sol prepared by subjecting a titanate to hydrolysis in an acid solution to react with a metal salt comprising at least one of Ca, Sr, Ba, Pb, or Mg in a liquid phase:



wherein M is at least one of Ca, Sr, Ba, Pb, or Mg.

Claims 5-6. (canceled).

7. (previously presented): The production process of said sol as claimed in claims 3, wherein said liquid phase is alkaline.

Claims 8-17. (canceled).

18. (previously presented): The production process of said sol as claimed in claim 4, wherein said liquid phase is alkaline.

19. (previously presented): The sol as claimed in claim 2, wherein the specific surface area of the perovskite titanium-containing composite oxide particle is 28 to about 200 m^2/g .

20. (previously presented): The sol as claimed in claim 2, wherein the diameter D_1 of primary particles defined by formula (II) is about 10 to 50 nm.

Claims 21-24. (canceled).